

Date: Thursday, 4/12/2007 8:41:51 AM  
 User: Kim Johnston

## Process Sheet

Customer : CU-DAR001 Dart Helicopters Services	Drawing Name : BALL JOINT ROD END	DWG WAS RELEASD @ REV. B on 06-11-17 PLEASE UPDATE. 07.04.12
Job Number : 31684		
Estimate Number : 12440		
P.O. Number : N/A	Part Number : D35183	
This Issue : 4/12/2007 S.O. No. : N/A	Drawing Number : D3518 REV A	
Prsht Rev. : NC	Project Number : N/A	
First Issue : N/A Type : PURCHASED PARTS	Drawing Revision : AB	
Previous Run : 29613	Material : N/A	
Written By : <u>07.04.12</u>	Due Date : 4/20/2007	
Checked & Approved By : <u>07.04.12</u>	Qty: 10 Um: Each	
Comment : Est Rev: A New Issue 06-11-22 JLM		

## Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	2458K14	rod end
-----	---------	---------



Comment: Qty.: 1.0000 Each(s)/Unit Total : 10.0000 Each(s)  
 rod end

2.0	PG	PURCHASING
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Comment: Issue P/O: 3539  
 Purchase Part Number: 2458K14  
 Supplier: Mc Master Carr  
 Certificate of conformity is required

07/04/13

(10)

3.0	PACKAGING 1	PACKAGING RESOURCE #1
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Comment: PACKAGING RESOURCE #1  
 Receive & Inspect For Transit Damage  
 Ensure certificate of conformity is attached

07/04/17 (10)

4.0	QC6	DIMENSIONAL CHECK
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Comment: DIMENSIONAL CHECK

07/04/24 (10)

5.0	PACKAGING 1	PACKAGING RESOURCE #1
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Comment: PACKAGING RESOURCE #1  
 Identify and Stock  
 Location: \_\_\_\_\_

07/04/24 (10)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes ☒ No ☐ DQA: ☒ \_\_\_\_\_ Date: 07/04/24  
 QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B		Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng				

NOTE: Date & initial all entries

Date: Thursday, 4/12/2007 8:41:51 AM

User: Kim Johnston

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BALL JOINT ROD END

Job Number: 31684

Part Number: D35183

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

QC21

FINAL INSPECTION/W/O RELEASE



(10)

Comment: FINAL INSPECTION/W/O RELEASE

07/04/24

Job Completion



U 07-04-24

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

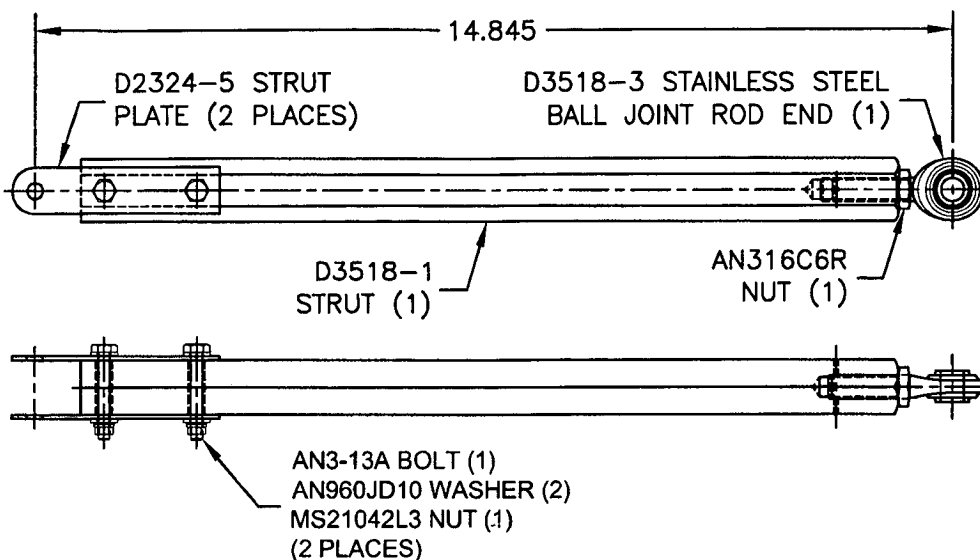
QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B		Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng				

NOTE: Date & initial all entries



DESIGN <i>[Signature]</i>	DRAWN BY <i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>PH</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3518	REV. B SHEET 1 OF 3
DATE 06.10.23		TITLE BASKET (A119) STRUT	SCALE 1:3
A	06.06.21	NEW ISSUE	
B	06.10.23	RE-DESIGN	



### D3518-041 STRUT ASSEMBLY

QTY -041	Part Number	Description
X	D3518-041	STRUT ASSEMBLY
2	D2324-5	STRUT PLATE
1	D3518-1	STRUT
1	D3518-3	STAINLESS STEEL BALL JOINT ROD END
2	AN3-13A	BOLT
1	AN316C6R	NUT
4	AN960JD10	WASHER
2	MS21042L3	NUT

#### NOTES:

- 1) IDENTIFY WITH DART P/N "D3518-041" USING FINE POINT PERMANENT INK MARKER

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WORK ORDER  
NO. 31684

RELEASED

06.11.17 *[Signature]*

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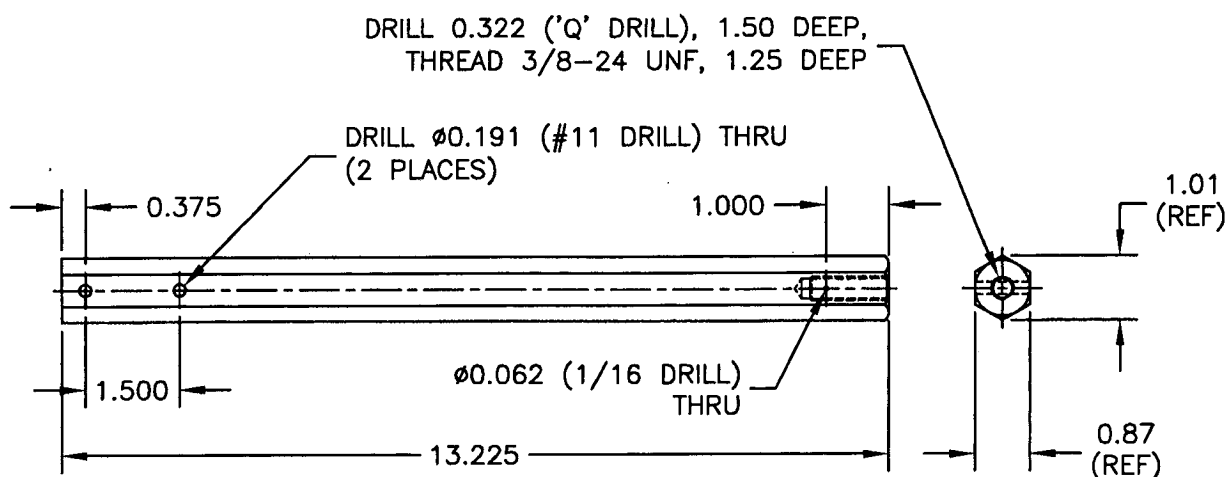
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**DART**

DESIGN <i>B</i>	DRAWN BY <i>B</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>PH</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3518	REV. B SHEET 2 OF 3
DATE 06.10.23		TITLE BASKET (A119) STRUT	SCALE 1:3

**D3518-1 STRUT****NOTES:**

- 1) MATERIAL: M6061-T6 (OR 6061-T651/T6510/T6511/T62) ALUMINUM HEX BAR PER AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR PER AMS-QQ-A-200/8 (OR AMS 4160) (REF DART MATERIAL SPEC M6061T6H0.875)
- 2) FINISH: ACID ETCH AND ALODINE PER DART QSI 005 4.1 POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES 0.005 TO 0.010 MAX

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WORK ORDER  
NO. *31684*

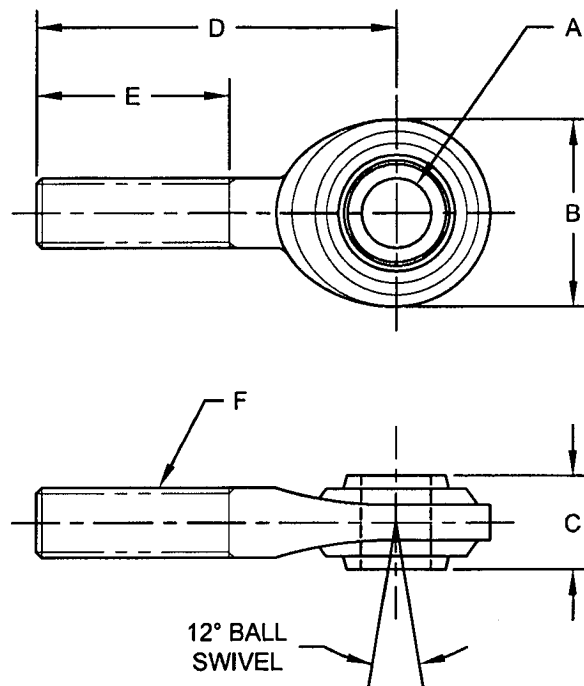
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CHECKED <i>PH</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3518	REV. B SHEET 3 OF 3
DATE 06.10.23		TITLE BASKET (A119) STRUT	SCALE 1:1

## SPECIFICATION CONTROL DRAWING



DART P/N	A	B	C	D	E	F	LOAD*	POSSIBLE SUPPLIER
D3518-3	0.375	1.00	0.50	1.938	1.25	3/8-24 UNF, RH	4012	McMASTER-CARR, P/N 2458K14

\* Indicated load is Static Radial Load Capacity in lbs

### NOTES:

- 1) TYPE: MALE THREADED SHANK CARBON-FIBER-REINFORCED PLASTIC RACE BALL JOINT ROD END
- 2) MATERIAL: ZINC PLATED STEEL HOUSING BALL WITH PTFE LUBRICATED CARBON-FIBER-REINFORCED PLASTIC RACE.
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES

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AEROSPACE LTD  
10 ABERDEEN ST  
HAWKESBURY ON  
FINISHED GOODS LOCATION  
CALLER) C LAVOIE

K6A 1

**YOUR PURCHASE  
ORDER NUMBER**  
P000003539

Today's Date: 4/13/07

MCMASTER-CARR  
200 AURORA INDUSTRIAL PKWY  
AURORA OH 44202

IF THERE ARE ANY QUESTIONS ABOUT THIS  
SHIPMENT CONTACT OUR SALES DEPARTMENT  
(330)995-5500

**PAGE**  
**1 OF 1**  
**MCM NUMBER**  
**3337292-01**

Warehouse Location	McMaster Carr Part Number	Fill Quantity	Item Description	Your Line	Your Order	This Shipment
2-294-02 03-03	7566 K25	3 PK	CABLE TIE MOUNT 4-WAY, FOR .15" MAX TIE WIDTH, ADHESIVE BACK PKG= 100 EA/PK	3	3 PK	3
2-295-03 03-01	7130 K41	3 PK	NYLON CABLE TIE 6-3/8"L, 1-1/2" BUNDLE DIA, 18# TENSILE STRG, OFF-WHITE 100 EA/PK	2	3 PK	3
3-297	2458 K141	10 EA	CARBON-FIBER RACE BALL JOINT ROD END 3/8"-24 RH MALE SHANK 4012 POUND LOAD CAPACITY SAME AS 2458K14  1 CERTIFICATE OF COMPLIANCE - McMaster-Carr certifies the items on your purchase order are supplied in accordance with the description and illustration in our catalog. Compliance Manager- Alberto Valadon  <i>CP 4/17</i>	1	10 EA	10

McMASTER-CARR PACKING LIST

987

*CP 4/17*  
CERTIFICATE OF CONFORMITY  
REQ'D UPON DELIVERY

Comments:

Tax Summary:  
GSTUS

6.12

Less: